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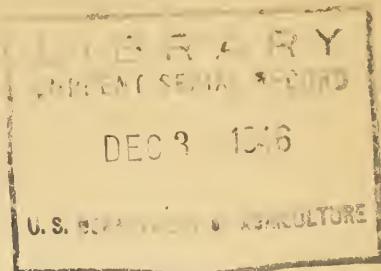
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UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Research Administration
Bureau of Agricultural and Industrial Chemistry

1946 SEMI-ANNUAL

NAVAL STORES REPORT

on



Production, Distribution, Consumption and Stocks

of

TURPENTINE AND ROSIN

of the

UNITED STATES

By Crop Years

April 1, 1946 - September 30, 1946

Issued November 14, 1946

Compiled by

I. E. Knapp

and

M. M. Horner

Naval Stores Research Division

FOREWORD

This is the eleventh Semi-Annual Naval Stores Report on production, consumption, and stocks of naval stores. Annual reports, covering the entire naval stores crop year, April 1 - March 31, and quarterly reports covering the periods April 1 - June 30 and October 1 - December 31, are also issued. These reports are issued under Federal Act 278, authorizing and directing the Secretary of Agriculture to collect, compile and publish statistics and essential information relating to spirits of turpentine and rosin produced, held and used in the domestic and foreign commerce of the United States.

If production figures for this period are used as a basis for estimating this crop year's probable production, the fact that gum naval stores production is seasonal should be borne in mind. Wood naval stores production, on the other hand, is not seasonal but is based largely upon probable consumer demand.

As in previous reports, carryover (stocks) of turpentine and rosin is separated into gum and wood products. Stocks of wood rosin do not include so-called "B wood resin." While sulphate wood turpentine is carried in the regular production and carryover tables, data on tall oil are in a table separate from gum and wood rosin. The term tall oil refers to the mixture of resin and fatty acids recovered by the acidification of the soap curds (black liquor soap) obtained in the production of sulphate pulp. The tall oil so obtained contains approximately 42 percent of resin acids.

The data on production, consumption and stocks are expressed in commercial units: For turpentine - barrels of 50 gage gallons; and for rosin - drums of approximately 520 pounds net weight. A unit of naval stores consists of one barrel of turpentine and two and two-thirds drums of rosin. Carryover figures do not include gum turpentine or rosin producible from crude gum on hand.

Statistics on exports and imports of turpentine and rosin are now available and are included in this report.

These reports are designed to be of use to the industry — producer, processor, factor, distributor, and consumer. Every effort is made to obtain complete and accurate information but the completeness, accuracy, and promptness of issue depend upon the cooperation of those reporting. In accepting the statistics given in this report, as well as those in previous reports, it should be borne in mind that the Bureau of Agricultural and Industrial Chemistry merely assembles the figures from the individual reports received and is not responsible for their accuracy.

The Bureau of Agricultural and Industrial Chemistry extends its thanks to those producers, processors, factors, distributors, and consumers who have so kindly cooperated in furnishing the requested information. The assistance of Mrs. Clotilde H. Oubre in tabulating the data for this report is gratefully acknowledged.

SUMMARY OF TURPENTINE

SUPPLY, DISTRIBUTION AND CARRYOVER (Bbls. - 50 gals.)
(By naval stores crop years, beginning April 1 and ending March 31)

	<u>1946-47</u> <u>6 mos. (Apr. - Sept.)</u>			<u>1945-46</u> <u>6 mos. (Apr. - Sept.)</u>		
	<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>

TABLE 1a - SUPPLY AND DISTRIBUTION

U. S. Carryover April 1 ^{1/}	100,749	58,088	42,661	202,546	168,011	34,535
Production ^{2/}	313,410	179,255	134,155	281,124	158,981	122,143
Imports	<u>10,081</u>	<u>10,081</u>	---	<u>8,896</u>	<u>8,896</u>	---
Available Supply	424,240	247,424	176,816	492,566	335,888	156,678
Less Carryover September 30 ^{3/}	<u>90,167</u>	<u>48,411</u>	<u>41,756</u>	<u>165,326</u>	<u>123,460</u>	<u>41,866</u>
Apparent Total Consumption	334,073	199,013	135,060	327,240	212,428	114,812
Less Exports	<u>45,288</u>	<u>32,216</u>	<u>13,072</u>	<u>51,146</u>	<u>42,032</u>	<u>9,114</u>
Apparent U. S. Consumption	288,785	166,797	121,988	276,094	170,396	105,698

TABLE 2a - CARRYOVER (Stocks)

U. S. Carryover April 1	100,749	58,088	42,661	202,546	168,011	34,535
U. S. Carryover September 30	<u>90,167</u>	<u>48,411</u>	<u>41,756</u>	<u>165,326</u>	<u>123,460</u>	<u>41,866</u>
Increase	---	---	---	---	---	7,331
Decrease	10,582	9,677	905	37,220	44,551	---

^{1/} From Table 4a, 1945-46 Annual Naval Stores Report.

^{2/} Table 5a.

^{3/} Table 4a.

SUMMARY OF ROSIN

SUPPLY, DISTRIBUTION AND CARRYOVER (Drums - 520 lbs. net)
 (By naval stores crop years, beginning April 1 and ending March 31)

1946-47			1945-46		
6 mos. (Apr. - Sept.)			6 mos. (Apr. - Sept.)		
Total	Gum	Wood	Total	Gum	Wood

TABLE 1b - SUPPLY AND DISTRIBUTION

U. S. Carryover						
April 1 ¹ /	388,682	237,504	151,178	388,266	265,881	122,385
Production ² /	906,366	469,195	437,171	774,481	431,055	343,426
Imports	0	0	0	9,326	9,326	---
Available Supply	1,295,048	706,699	588,349	1,172,073	706,262	465,811
Less Carryover						
September 30 ³ /	402,513	276,494	126,019	473,146	325,937	147,209
Apparent Total						
Consumption	892,535	430,205	462,330	698,927	380,325	318,602
Less. Exports	217,348	152,710	64,638	64,678	30,272	34,406
Apparent U. S.						
Consumption	675,187	277,495	397,692	634,249	350,053	284,196

TABLE 2b - CARRYOVER (Stocks)

U. S. Carryover						
April 1	388,682	237,504	151,178	388,266	265,881	122,385
U. S. Carryover						
September 30	402,513	276,494	126,019	473,146	325,937	147,209
Increase	13,831	38,990	---	84,880	60,056	24,824
Decrease	---	---	25,159	---	---	---

¹/ From Table 4b, 1945-46 Annual Naval Stores Report.

²/ Table 5b. Includes reclaimed rosin.

³/ Table 4b.

DETAILS AND SUMMARY OF TURPENTINE CARRYOVER (Bbls. - 50 gals.)

	1946			1945		
	<u>September 30</u>			<u>September 30</u>		
	<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>
<u>TABLE 3a - DETAILS OF TURPENTINE CARRYOVER (Stocks)</u>						
<u>Production Points^{1/}</u>						
Gum Stills ^{2/}	16,390	16,390	---	25,503	25,503	---
Wood Plants						
Steam Dist.	8,834	---	8,834	5,931	---	5,931
Sulphate	12,392	---	12,392	6,598	---	6,598
Dest. Dist.	206	---	206	238	---	238
Total	37,822	16,390	21,432	38,270	25,503	12,767
<u>Sou. Concent. Points^{1/}</u>	14,052	14,052	---	72,847	72,847	---
<u>Distribution Points</u>						
Eastern	6,445	4,289	2,156	8,354	5,008	3,346
Central	9,619	6,239	3,380	14,145	9,761	4,384
Western	3,474	2,830	644	4,600	3,429	1,171
Total ^{3/}	19,538	13,358	6,180	27,099	18,198	8,901
<u>Industrial Plants^{4/}</u>	18,755	4,611	14,144	27,110	6,912	20,198

TABLE 4a - SUMMARY OF TURPENTINE CARRYOVER (Stocks)

Production Points	37,822	16,390	21,432	38,270	25,503	12,767
Sou. Concent. Points	14,052	14,052	---	72,847	72,847	---
Distribution Points	19,538	13,358	6,180	27,099	18,198	8,901
Industrial Plants	18,755	4,611	14,144	27,110	6,912	20,198
Total in U. S.	90,167	48,411	41,756	165,326	123,460	41,866

^{1/} Irrespective of ownership. Some of the turpentine may have been sold and may be awaiting shipment.

^{2/} Compiled from reports by producers, processors, and factors.

^{3/} Compiled from reports of individual distributors.

^{4/} Compiled from reports of individual consumers.

DETAILS AND SUMMARY OF ROSIN CARRYOVER (Drums - 520 lbs. net)

	1946		1945			
	September 30		September 30			
	Total	Gum	Wood	Total	Gum	Wood

TABLE 3b - DETAILS OF ROSIN CARRYOVER (Stocks)

Production Points ^{1/}	101,259	101,259	---	88,696	88,696	---
Gum Stills ^{2/}						
Wood Plants						
Steam Dist. ^{3/}	33,036	---	33,036	66,181	---	66,181
Sulphate	---	---	---	---	---	---
Dest. Dist.	---	---	---	---	---	---
Total	134,295	101,259	33,036	154,877	88,696	66,181
Sou. Concent. Points ^{1/}	23,939	23,939	---	28,641	28,641	---
Distribution Points						
Eastern	8,467	6,811	1,656	10,929	5,538	5,391
Central	6,341	3,371	2,970	6,015	3,414	2,601
Western	992	634	358	922	383	539
Total ^{4/}	15,800	10,816	4,984	17,866	9,335	8,531
Industrial Plants ^{5/}	228,479	140,480	87,999	271,762	199,265	72,497

TABLE 4b - SUMMARY OF ROSIN CARRYOVER (Stocks)

Production Points	134,295	101,259	33,036	154,877	88,696	66,181
Sou. Concent. Points	23,939	23,939	---	28,641	28,641	---
Distribution Points	15,800	10,816	4,984	17,866	9,335	8,531
Industrial Plants	228,479	140,480	87,999	271,762	199,265	72,497
Total in U. S.	402,513	276,494	126,019	473,146	325,937	147,209

^{1/} Irrespective of ownership. Some of the rosin may have been sold and may be awaiting shipment.

^{2/} Compiled from reports by producers, processors, and factors. Includes reclaimed rosin.

^{3/} Does not include by-products, such as "B wood resin," resulting from making paler grades from FF wood rosin.

^{4/} Compiled from reports of individual distributors.

^{5/} Compiled from reports of individual consumers.

DETAILS OF PRODUCTION

(By naval stores crop years, beginning April 1 and ending March 31)

	1946-47			1945-46		
	6 mos. (Apr. - Sept.)	Gum	Wood	6 mos. (Apr. - Sept.)	Gum	Wood

<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>
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TABLE 5a - PRODUCTION OF TURPENTINE (Bbls. - 50 gals.)

Gum	179,255	179,255	---	158,981	158,981	---
Wood						
Steam Dist.	72,853	---	72,853	61,602	---	61,602
Sulphate	59,045	---	59,045	57,955	---	57,955
Dest. Dist.	2,257	---	2,257	2,586	---	2,586
Total	313,410	179,255	134,155	281,124	158,981	122,143

TABLE 5b - PRODUCTION OF ROSIN (Drums 520 lbs. net)

Gum	466,572	466,572	---	426,505	426,505	---
Reclaimed gum	2,623	2,623	---	4,550	4,550	---
Wood						
Steam Dist.	437,171	---	437,171	343,426 ¹	---	343,426 ¹
Sulphate	---	---	---	---	---	---
Dest. Dist.	---	---	---	---	---	---
Total	906,366	469,195	437,171	774,481	431,055	343,426

TABLE 5c - PRODUCTION OF BLACK LIQUOR SOAP AND TALL OIL²

	1946-47			1945-46		
	6 mos. (Apr. - Sept.)	Gum	Wood	6 mos. (Apr. - Sept.)	Gum	Wood

Black Liquor Soap Reported as produced	113,158	tons		103,691	tons
Black Liquor Soap Reported as acidified	108,443	tons		101,644	tons
To produce according to reports Crude Tall Oil	51,927	tons		49,591	tons

1/ This figure now represents the total primary production of FF wood resin. Much of this is refined to produce pale grades with concomitant production of "B wood resin" as a by-product.

2/ See foreword for definition.

TABLE 6 - PRODUCTION OF GUM TURPENTINE BY STATES^{1/}

	<u>1946-47</u> <u>6 mos. (Apr. - Sept.)</u>		<u>1945-46</u> <u>6 mos. (Apr. - Sept.)</u>	
	<u>Barrels</u>	<u>Percentage</u>	<u>Barrels</u>	
Georgia	135,259	75.46	119,324	75.05
Florida	33,522	18.70	27,183	17.10
Alabama	7,355	4.10	8,710	5.48
Mississippi	1,784	0.99	1,832	1.15
South Carolina	804	0.45	1,267	0.80
Louisiana	531	0.30	665	0.42
Total	179,255	100.00	158,981	100.00

TABLE 7 - MISCELLANEOUS NAVAL STORES (Bbls. - 50 gals.)

	<u>1946-47</u> <u>6 mos. (Apr. - Sept.)</u>	<u>1946</u> <u>Sept. 30</u>	<u>1945-46</u> <u>6 mos. (Apr. - Sept.)</u>	<u>1945</u> <u>Sept. 30</u>
	<u>Production</u>	<u>Stocks</u>	<u>Production</u>	<u>Stocks</u>
Pine Oil	59,039	12,608	53,337	11,326
Pine Tar	48,393	1,983	43,377	4,806
Rosin Oil	9,376	2,212	10,457	2,548
Dipentene	11,824	3,238	9,567	4,024
Other Monocyclic Hydrocarbons	18,456	6,514	15,446	6,599

^{1/} A unit of naval stores consists of one 50-gallon barrel of turpentine and two and two-thirds drums (each 520 lbs. net) of rosin.

TABLE 8a - REPORTED CONSUMPTION OF TURPENTINE IN UNITED STATES (Bbls. - 50 gal.)
 (By naval stores crop years, beginning April 1 and ending March 31)

	1946-47			1945-46		
	6 mos. (Apr. - Sept.)	Gum ^{1/}	Wood ^{1/}	6 mos. (Apr. - Sept.)	Gum ^{1/}	Wood ^{1/}
	<u>Total</u>	<u>Gum^{1/}</u>	<u>Wood^{1/}</u>	<u>Total</u>	<u>Gum^{1/}</u>	<u>Wood^{1/}</u>
Abattoirs	0			0		
Adhesives & plastics	121			162		
Asphaltic products	0			0		
Automobiles & wagons	60			97		
Chemicals & pharmaceuticals	43,962			55,595		
Ester gum & synthetic resins	6,589			9,400		
Foundries & foundry supplies	402			318		
Furniture	79			75		
Insecticides & disinfectants	9			8		
Linoleum & floor covering	0			21		
Matches	0			0		
Oils & greases	14			63		
Paint, varnish & lacquer	9,968			8,656		
Paper & paper size	0			0		
Printing ink	110			103		
Railroads & shipyards	3,406			4,950		
Rubber	172			449		
Shoe polish & shoe materials	4,379			5,568		
Soap	0			0		
Other industries	91			76		
Total industrial reported	69,362	14,006	55,356	85,541	17,351	68,190
Not accounted for ^{2/}	219,423	152,791	66,632	190,553	153,045	37,508
Apparent U.S. consumption ^{3/}	288,785	166,797	121,938	276,094	170,396	105,698

^{1/} Separation of gum and wood turpentine consumption will be limited for the present to the total reported.

^{2/} Principally unreported distribution of turpentine through retailers who sell in small quantities to ultimate consumers.

^{3/} From Table 1a, page 1.

TABLE 8b - REPORTED CONSUMPTION OF ROSIN IN UNITED STATES (Drums - 520 lbs. net)
 (By naval stores crop years, beginning April 1 and ending March 31)

	1946-47 6 mos. (Apr. - Sept.)	1945-46 6 mos. (Apr. - Sept.)				
	Total	Gum ¹ /	Wood ¹ /	Total	Gum ¹ /	Wood ¹ /
Abattoirs	284			211		
Adhesives & plastics	10,026			11,566		
Asphaltic products	1,199			1,463		
Automobiles & wagons	268			67		
Chemicals & pharmaceuticals	162,642 ² /			138,304 ² /		
Ester gum & synthetic resins	131,575			131,758		
Foundries & foundry supplies	6,364			7,930		
Furniture	2			2		
Insecticides & disinfectants	2,789			3,035		
Linoleum & floor covering	7,674			4,349		
Matches	1,069			681		
Oils & greases	7,682			14,541		
Paint, varnish & lacquer	56,498			52,122		
Paper & paper size	166,784			133,233		
Printing ink	4,011			3,610		
Railroads & shipyards	7,094			8,813		
Rubber	11,926			12,881		
Shoe polish & shoe materials	2,959			2,995		
Soap	72,920			121,804		
Other industries	2,153			2,447		
Total industrial reported	655,919 ² /	261,351	394,568 ² /	651,812 ² /	361,986	289,826 ² /
Not accounted for ³ /	19,268	16,144	3,124	-17,563	-11,933	-5,630
Apparent U. S. consumption ⁴ /	675,187	277,495	397,692	634,249	350,053	284,196

¹/ Separation of gum and wood resin consumption will be limited for the present to the total reported. The breakdown shown is an approximation.

²/ Includes, as rosin consumed, the "B wood resin" produced in refining FF wood rosin to paler grades. No data are reported on the consumption of "B wood resin" as such.

³/ The discrepancy between the total industrial consumption reported and the apparent U. S. consumption is due partly to unreported industrial consumption and partly to failure of some consumers to distinguish in their reports between gum rosin, wood rosin, and modified or derived rosins.

⁴/ From Table 1b, page 2.

TABLE 9a - WEIGHTED/¹ AVERAGE MONTHLY AND CROP YEAR PRICES OF GUM SPIRITS OF TURPENTINE - 1930-31 to 1946-47/²

(Based upon Wednesdays and Saturdays Closing Savannah Prices) 2/

Crop Year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Average
1930-31	48.42	43.51	41.33	37.56	35.32	38.26	35.60	37.03	36.14	38.11	39.97	47.81	39.34
1931-32	50.44	49.42	50.69	39.77	31.40	31.88	31.17	35.21	33.83	34.68	34.84	40.06	40.10
1932-33	39.50	39.44	38.64	35.94	37.68	41.09	40.86	39.71	37.04	39.88	39.75	39.46	38.82
1933-34	37.88	42.47	40.39	46.39	42.83	41.97	40.81	42.14	42.07	47.44	57.00	55.00	42.72
1934-35	53.66	50.81	46.44	42.82	41.83	41.19	46.59	48.00	46.46	46.59	50.53	49.71	45.64
1935-36	47.37	47.07	44.46	42.40	38.47	40.91	45.76	44.92	43.96	45.19	44.44	39.31	43.56
1936-37	37.43	36.26	35.86	36.44	38.73	37.19	36.33	38.25	41.59	43.13	41.84	39.01	37.48
1937-38	35.97	35.83	34.07	33.44	31.94	29.93	27.28	26.92	26.14	28.18	26.47	25.42	31.36
1938-39	23.18	22.69	22.56	23.24	22.53	20.92	22.81	22.32	22.31	24.78	25.56	28.42	22.61
1939-40	24.96	23.93	24.00	24.11	23.72	26.11	27.16	25.72	27.00	30.17	32.91	31.67	25.31
1940-41	28.78	27.65	26.25	26.69/	28.69	30.30	34.99	38.37	37.11	42.05	38.78	39.25	30.03
1941-42/	42.11	43.00	42.17	48.28	67.83	74.84	78.08	75.61	73.14	75.89	75.19	73.08	63.85
1942-43	65.47	61.22	62.12	64.30	61.06	66.23	70.08	69.84	69.50	69.59	69.09	69.69	66.52
1943-44	69.46	69.47	72.08	72.77	73.03	72.14	74.53	81.60	80.87	83.03	83.59	82.60	76.26
1944-45	82.58	83.31	83.53	82.53	84.47	84.67	84.50	84.50	85.00	85.31	87.00	86.63	84.50
1945-46	86.16	86.83	85.44	80.93	82.19	83.44	86.31	87.69	89.38	89.50	89.50	89.50	86.41
1946-47	89.50	89.50	89.50	103.21	89.50	103.31	108.31						

1/ Prior to 1941-42 monthly prices were obtained by averaging Wednesday and Saturday closing prices. The crop year average price was obtained by multiplying each monthly price by the combined reported receipts during that month at Savannah, Jacksonville, and Pensacola and dividing the total of these figures for the crop year by the total receipts for that crop year, thereby giving the months of heavy receipts and of low receipts their proper relative value. For 1941-42 and thereafter, only simple averages are shown. 2/ Prices for 1921-22 to 1930-31 crop years will be found in previous annual and semi-annual reports in this series.

After November, 1936, Wednesday and Friday Savannah prices were used when there was no quoted Saturday market. Beginning July 1, 1940, quoted Savannah turpentine prices were exclusive of package. To complete this table and to present figures comparable with previous quotations, beginning July 1, 1940, 6 cents per gallon has been added to the Savannah quotations.

Sources of data: Florida inspections and monthly receipts at Savannah, Jacksonville, and Pensacola, the Naval Stores Review, Daily Market Reports of the Savannah Exchange, Jacksonville and Pensacola Chambers of Commerce and Economic Analysis Unit, General Crops Section, Agricultural Adjustment Administration.

TABLE 9b - WEIGHTED^{1/} AVERAGE MONTHLY AND CROP YEAR PRICES^{2/} OF GUM ROSIN - 1930-31 to 1946-47^{3/}(Based upon Wednesdays and Saturdays Closing Savannah Prices)^{4/}

Crop Year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Average
Dollars per 100 pounds net weight ^{2/}													
1930-31													
2.98	2.68	2.46	2.08	1.92	2.07	1.90	1.93	1.94	1.87	1.97	2.15	2.18	
2.16	2.18	2.29	1.72	1.36	1.32	1.28	1.42	1.35	1.38	1.60	1.69	1.69	
1.30	1.27	1.19	1.10	1.01	1.40	1.33	1.28	1.27	1.30	1.26	1.23	1.23	
1.28	1.54	1.53	1.78	1.67	1.70	1.68	1.70	1.70	1.84	2.19	2.20	1.69	
2.21	2.12	1.98	1.87	1.90	1.93	1.97	1.93	1.95	2.06	2.11	2.08	1.98	
2.03	2.05	1.99	1.93	1.79	1.90	2.09	2.05	1.98	2.00	1.99	2.00	1.97	
1.90	1.88	2.04	2.36	2.90	2.61	2.71	3.16	4.03	4.43	4.24	3.90	2.79	
1.97-37	1.90	1.88	2.04	2.36	2.90	2.61	2.71	3.16	4.03	4.43	4.24	3.90	
1937-38	3.51	3.61	3.54	3.48	3.47	3.49	3.20	2.70	2.41	2.57	2.34	2.06	3.20
1938-39	2.12	2.03	2.09	2.24	2.17	2.05	2.30	2.45	2.21	2.23	2.30	2.52	2.18
1939-40	2.27	2.26	2.32	2.39	2.32	2.46	2.49	2.41	2.34	2.41	2.40	2.43	2.37
1940-41	2.26	2.20	2.04	1.74	1.94	1.83	1.93	2.05	1.96	2.07	2.04	2.10	1.98
1941-42	2.04	1.99	2.01	2.28	2.55	2.62	2.58	2.77	3.09	3.43	3.52	3.40	2.69
1942-43	3.07	2.89	2.93	3.10	2.93	3.33	3.49	3.50	3.48	3.57	3.55	3.75	3.30
1943-44	3.67	3.64	3.63	3.75	4.01	4.02	4.21	4.47	4.55	4.60	4.78	5.06	4.20
1944-45	4.93	5.09	5.68	5.55	5.51	5.76	5.85	5.85	5.85	5.85	5.85	5.61	
1945-46	5.85	5.85	5.85	6.38	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.45	
1946-47	6.80	6.73	6.72	6.90	6.74	7.33							

Note: Rosin Grades included in average prices are:-- X, W, AG, Y, M, K, I, H, G, F, E, D, B.

1/ Prior to 1941-42, monthly prices were obtained by multiplying the average of the Wednesday and Saturday closing prices of each grade by the number of barrels of each grade reported as inspected in Florida during that month, and dividing the total of the resulting figures by the total number of barrels inspected in Florida during that month, thereby giving the proper relative value to each grade. The crop year average price was obtained by multiplying each monthly price by the combined reported receipts during that month at Savannah, Jacksonville, and Pensacola and dividing the total of these figures for the crop year by the total receipts for the crop year, thereby giving the months of heavy receipts and of low receipts their proper relative value.

For the 1941-42 and thereafter, only simple averages in terms of dollars per 100 pounds net weight are shown. Prior to 1941, all rosin prices were quoted in dollars per trade barrel of 280 pounds gross weight. Since 1941, prices are quoted in dollars per 100 pounds net weight. In order to simplify comparisons, all prices in this table have been calculated to the basis of 100 pounds net weight.

2/ Prices for 1921-22 to 1930-31 crop years will be found in previous annual and semi-annual reports in this series.

3/ After November, 1936, Wednesday and Friday Savannah prices were used when there was no quoted Saturday market.

Sources of data: Florida inspections and monthly receipts at Savannah, Jacksonville, and Pensacola, the Naval Stores Review, Daily Market Reports of the Savannah Exchange, Jacksonville and Pensacola Chambers of Commerce and Economics Analysis Unit, General Crops Section, Agricultural Adjustment Administration.

ADDENDA

Additional information pertaining to naval stores may be obtained as follows:

For periods prior to 1942, for monthly, quarterly and annual reports on imports and exports of turpentine and rosin, address: Foreign Trade Statistics, Bureau of the Census, Department of Commerce, Washington, D. C. Price ten cents per copy.

For biennial census of the production of turpentine and rosin, address: Bureau of the Census, Department of Commerce, Washington, D. C.

For information on the Naval Stores Conservation Program, write to the Regional Forester, U. S. Forest Service, Glenn Building, Atlanta 3, Georgia.

For information on the southern forest survey showing turpentine timber resources, address: Southern Forest Experiment Station, Box 7295, Midcity Station, New Orleans 19, Louisiana.

For information regarding the production, distribution, consumption and stocks of turpentine and rosin, address: Naval Stores Research Division, Bureau of Agricultural and Industrial Chemistry, 2100 Robert E. Lee Boulevard, New Orleans 19, Louisiana.